



**COPPER-FIN®  
WATER HEATER  
Submittal Sheet**

**CW-Sub-09**

**COPPER-FIN® GAS WATER HEATERS (MODELS CW495-2066)**

**JOB NAME** \_\_\_\_\_

**LOCATION** \_\_\_\_\_

**ARCH./ENGR.** \_\_\_\_\_

**MECH. CONTRACTOR** \_\_\_\_\_

**MODEL NO.** \_\_\_\_\_

**TYPE GAS** \_\_\_\_\_

**Btu/hr INPUT** \_\_\_\_\_

**RECOVERY RATE IN GPH** \_\_\_\_\_ **@** \_\_\_\_\_ **°F RISE**

**NOTES**

**Standard Features**

- 81% Thermal Efficiency
- Electronic Temperature Control
- Fan Assisted Combustion
- Sealed Combustion Chamber
- Stainless Steel Burners
- Low NOx Operation Exceeds the most Stringent Air Quality Requirements
- ASME Copper Finned Tube Heat Exchanger
- 160 psi Working Pressure
- Gasketless Heat Exchanger Design
- All Bronze Circulating Pump
- Pump Delay w/ Freeze Protection
- Remote Tank Thermostat
- Glass-Lined Water Surfaces
- Referenced Gas Valves
- Loch-Heat Ceramic Tile Combustion Chamber
- Hot Surface Ignition
- ASME Temperature & Pressure Relief Valve
- Adjustable High Limit w/ Manual Reset
- Inlet/Outlet Temperature Gauges
- Flow Switch
- 24 Volt Control System
- BMS Terminal Strip
- Combustion Air Filter (986-2066)
- 5 Year Limited Warranty on Heat Exchanger (See warranty for details)

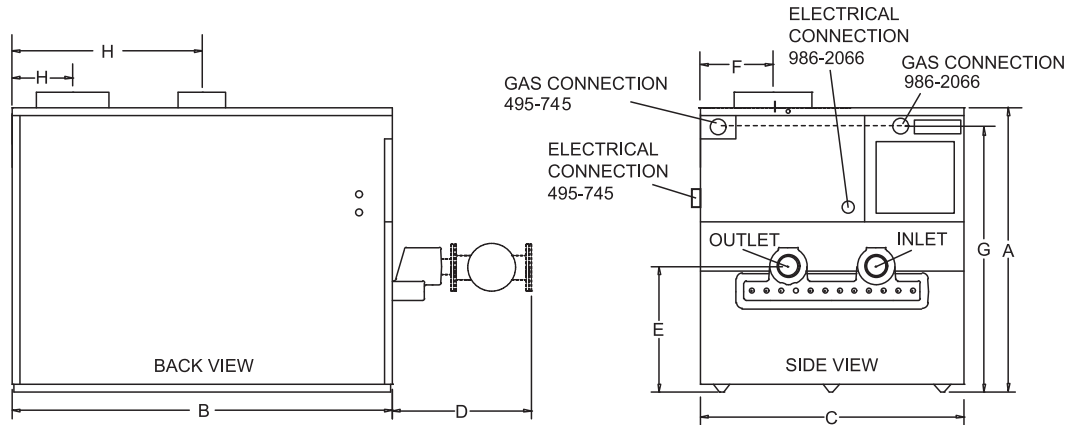
**Optional Equipment**

- Alarm Bell
- Contacts on any Failure
- Contacts for Air Louvers
- Cupro-Nickel Heat Exchanger
- High Gas Pressure Switch w/ Manual Reset
- Low Gas Pressure Switch w/ Manual Reset
- Low Water Cut-Off**
  - Probe Type
  - Probe Type w/ Test
- MP2 Sequencer
- Multi-Stack Frame
- Solenoid Gas Valve

**Available Firing Systems**

- F9 HSI (Standard)
- F13 GE GAP/FM
- F7 California Code

# Copper-Fin® Gas Water Heater Dimensions & Specifications



Model Number	Btu/hr Input	GPH @ 100°F Rise	A	B	C	D	E	F	G	H	Vent Size	Gas Conn.	Shipping Weight
CWN0495PM	495,000	486	33-1/4"	45-1/4"	22-1/4"	18-1/2"	12-1/2"	9-1/2"	30-3/4"	22-3/4"	6"	1-1/4"	490
CWN0645PM	645,000	633	33-1/4"	56-3/4"	22-1/4"	18-1/2"	12-1/2"	9-1/2"	30-3/4"	22-1/4"	8"	1-1/4"	555
CWN0745PM	745,000	731	33-1/4"	64"	22-1/4"	18-1/2"	12-1/2"	9-1/2"	30-3/4"	31-1/4"	8"	1-1/4"	610
CWN0986PM	985,000	967	36"	48-1/4"	33-1/2"	20-1/2"	15-3/4"	9-1/2"	33-3/4"	9-1/2"	10"	2"	900
CWN1256PM	1,255,000	1,232	36"	58-1/2"	33-1/2"	20-1/2"	15-3/4"	10-1/2"	33-3/4"	10-1/2"	12"	2"	1,020
CWN1436PM	1,435,000	1,409	36"	68-3/4"	33-1/2"	20-1/2"	15-3/4"	10-1/2"	33-3/4"	10-1/2"	12"	2"	1,065
CWN1796PM	1,795,000	1,762	36"	82-1/4"	33-1/2"	20-1/2"	15-3/4"	11"	33-3/4"	11"	14"	2"	1,265
CWN2066PM	2,065,000	2,027	36"	92-1/2"	33-1/2"	20-1/2"	15-3/4"	11"	33-3/4"	11"	14"	2"	1,400

Change 'N' to 'L' for LP gas models.

Water connections for models (CW 0495-0745) are 2" NPT on 6-1/2" centers.

Performance data is based on manufacturer test results.

Water connections for models (CW 0986-2066) are 2-1/2" NPT on 11-1/4" centers.

## Venting Options

Outdoor Vent Cap and Pump Cover  
Intelligent Venting Solutions

Model No.	Fans	Controls	Pump	Approx. Total Amps
495	3.6	3.6	5.8	13
645	3.6	3.6	5.8	13
745	3.6	3.6	5.8	13
986	3.4	4.6	7.4	15.4
1256	3.4	4.6	7.4	15.4
1436	3.8	4.6	7.4	15.8
1796	3.8	4.6	7.4	15.8
2066	3.8	4.6	7.4	15.8



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